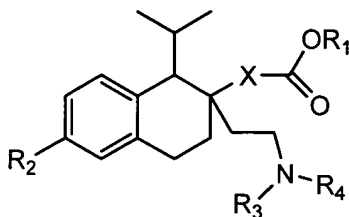


The Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. -22. (Canceled)

23. (Previously presented) A method for blocking a calcium channel in a patient in need of such blocking wherein said method comprises administering to said patient a calcium channel blocking compound wherein said compound has the following structure:



wherein:

X=a bond, $(CH_2)_n$, O, S, or $O(CH_2)_n$,

wherein $n=1-6$;

$R_1=C_{1-6}$ alkyl, optionally substituted with OH or NH_2 ;

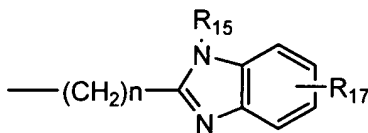
$R_2=F$ or $COOR_5$,

wherein R_5 is C_{1-6} alkyl, optionally substituted with OH or NH_2 ;

$R_3=CH_3$ or $(CH_2)_n-COOR_6$,

wherein $n=1-6$ and R_6 is C_{1-6} alkyl, optionally substituted with OH or NH_2 ;

$R_4=(CH_2)_n-COR_7R_8$, $-(CH_2)_n-R_{10}R_{11}$ or



$R_7=O$, NH , or NR_9 ,

R_8 =optionally substituted aryl or heterocycle,

$R_9=C_{1-6}$ alkyl,

$R_{10}=O$, S, SO, SO_2 , NH , or NR_{12} ,

R_{11} =aryl or heterocyclyl optionally substituted with $(CH_2)_nCOOR_{14}$,

R_{12} =C₁₋₆ alkyl, optionally substituted with OH or NH₂,

R_{13} =C₁₋₆ alkyl, optionally substituted with OH or NH₂,

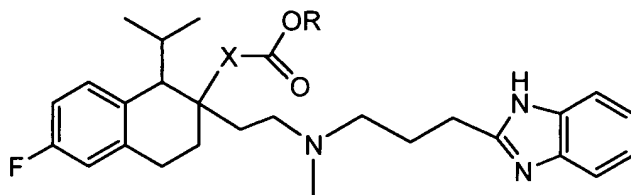
R_{14} =C₁₋₆ alkyl, optionally substituted with OH or NH₂,

R_{15} = (CH₂)_nCOOR₁₆,

R_{16} =C₁₋₆ alkyl, optionally substituted with OH or NH₂,

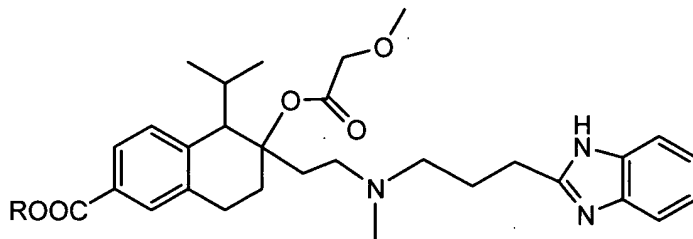
R_{17} =not present or COOR₁₈ wherein R_{18} is C₁₋₆ alkyl, optionally substituted with OH or NH₂, and wherein n=1-6.

24. (Previously presented) A method for blocking a calcium channel in a patient in need of such blocking wherein said method comprises administering to said patient a calcium channel blocking compound wherein said compound has a formula selected from the group consisting of:

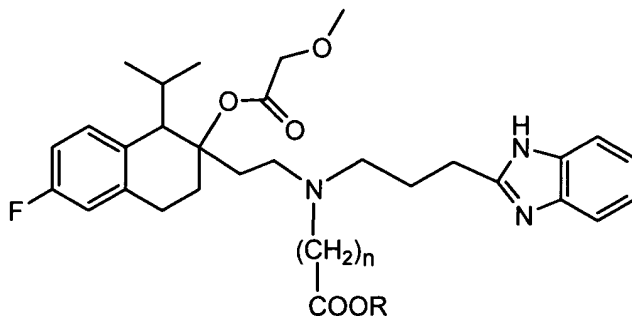


X=bond, CH₂, or OCH₂

R=lower alkyl optionally substituted OH or NH₂;

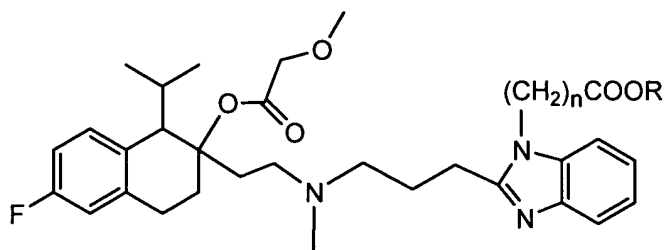


R=lower alkyl optionally substituted by OH or NH₂;



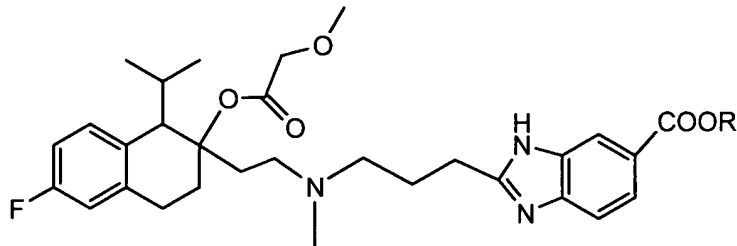
n=1 to 3

R=lower alkyl optionally substituted by OH or NH₂;

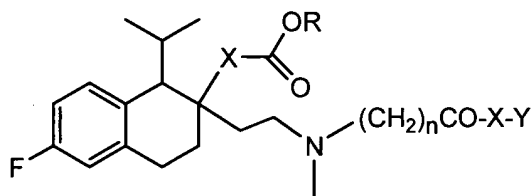


$n=1$ to 3

R =lower alkyl optionally substituted by OH or NH_2 ;

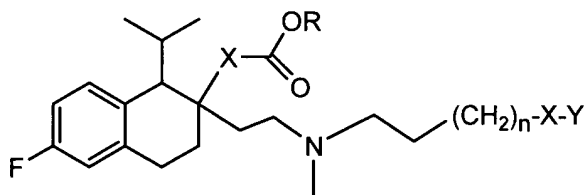


R =lower alkyl optionally substituted by OH or NH_2 ;



$n=1$ to 3 $X=\text{O}$, NH , NR where R is lower alkyl

Y =optionally substituted aryl or heterocyclyl; and

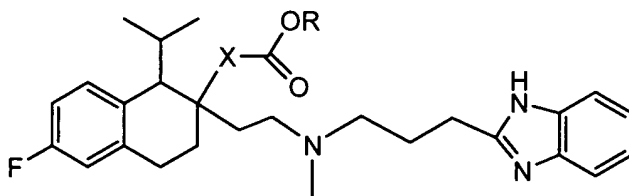


$n=0$ to 2

$X=\text{O}$, S , SO , SO_2 , NH NR or $\text{N}(\text{CH}_2)_m\text{COOH}$ where m is 0 or 2

Y =aryl or heterocyclyl substituted with $(\text{CH}_2)_m\text{COOH}$ where m is 0 to 2 .

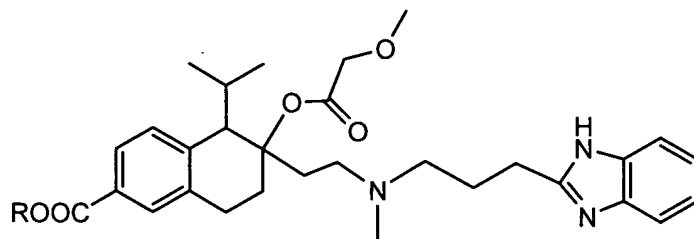
25. (Original) The compound, according to claim 24, wherein said compound has the following structure:



X=bond, CH₂, or OCH₂

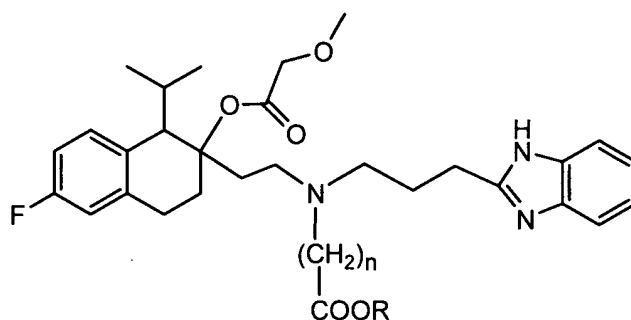
R=lower alkyl optionally substituted OH or NH₂.

26. (Original) The compound, according to claim 24, wherein said compound has the following structure:



R=lower alkyl optionally substituted by OH or NH₂.

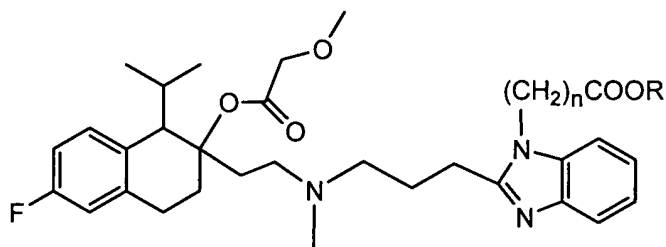
27. (Original) The compound, according to claim 24, wherein said compound has the following structure:



n=1 to 3

R=lower alkyl optionally substituted by OH or NH₂.

28. (Original) The compound, according to claim 24, wherein said compound has the following structure:



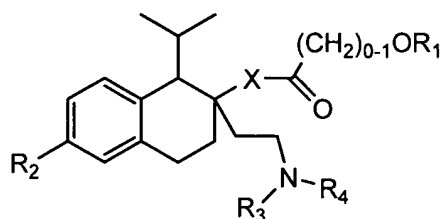
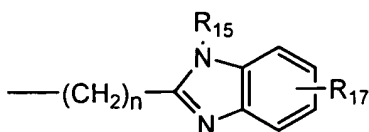
n=1 to 3

R=lower alkyl optionally substituted by OH or NH₂.

29. (Original) The compound, according to claim 24, wherein said compound has the following structure:



34. (Currently Amended) A method for blocking a calcium channel in a patient in need of such blocking wherein said method comprises administering to said patient a calcium channel blocking compound wherein said compound has the following structure:


$$R_4 = (CH_2)_n - COR_7R_8, -(CH_2)_n - R_{10}R_{11} \text{ or}$$


$R_7=O$, NH , or NR_9 ,

R_8 =optionally substituted aryl or heterocycle,

$R_9=C_{1-6}$ alkyl,

$R_{10}=O$, S , SO , SO_2 , NH , or NR_{12} ,

R_{11} =aryl or heterocyclyl optionally substituted with $(CH_2)_nCOOR_{14}$,

$R_{12}=C_{1-6}$ alkyl, optionally substituted with OH or NH_2 ,

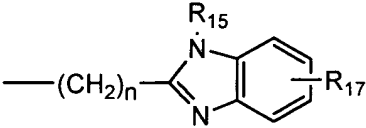
$R_{13}=C_{1-6}$ alkyl, optionally substituted with OH or NH_2 ,

$R_{14}=C_{1-6}$ alkyl, optionally substituted with OH or NH_2 ,

R_{15} is H ,

R_{17} =not present or $COOR_{18}$ wherein R_{18} is C_{1-6} alkyl, optionally substituted with OH or NH_2 , and wherein $n=1-6$. $n=1-6$:

provided that when R_2 is fluoro; X is O ; R_3 is methyl, $-(CH_2)_{0-1}OR_1$ is $-(CH_2)-O-C_{1-6}$ alkyl;

and R_4 is  , where n is 3 and R_{15} is H ; then R_{17} is $COOR_{18}$.